

Contents

Installation

| | |
|--|-----------|
| Precautions and guarantee | 2 |
| Box contents | 3 |
| Connections | 4 |
| Basic connection - Other connection possibilities | |
| Other devices | 5 |
| Remote control | 6 |
| General functions - Functions in DVD mode - Functions in VCR mode | |
| Front panel controls | 8 |
| Front panel display | 9 |
| Initial installation | 10 |
| Modulator - Automatic channel search - Clock setting - Sorting the channels - New or encoded channel | |
| Menus | 13 |
| VCR menus - DVD menus - Disc content menus - PlayBack Control (PBC) menus | |

VCR Mode

| | |
|---|-----------|
| Playing a tape | 14 |
| Inserting a tape - Playing a tape - Continuous play Accelerated play - Still image / Pause - Variable slow motion - Rewind or Fast forward - Stop / Ejecting the tape | |
| Recording | 15 |
| Getting prepared - Simple recording - Recording with automatic stop (instant record) - Continuous recording | |
| Programming a recording | 16 |
| Programming using a PlusCode® number - Storage of the programme numbers with the VIDEO Plus+® feature - VIDEO Plus+ system and satellite demodulator - Without the PlusCode programming numbers - To check your programming - Error messages likely to occur when programming - Deleting a programmed recording - Recording programmed on a connected set | |
| Sound control | 19 |
| Sound selection in playback mode - Setting the type of sound to be recorded | |
| Preferences | 20 |
| Eco mode - Auto clock - VIDEO Plus+ + 10 | |
| Other functions | 21 |
| Index search - STATUS menu - Tracking and stability in play mode - Playing NTSC tapes | |

DVD Mode

| | |
|---|-----------|
| Play | 22 |
| Simple play - Accelerated play - Still image / Frame advance - Variable slow motion - Zoom function | |
| Play Modes | 23 |
| Standard play - Random play - Program play - Edit program - Autoplay - IntroScan | |
| Lock | 24 |
| Lock Player - Unlock Player - Change Password - Ratings limits - System Test | |
| Display | 25 |
| TV Image - On-Screen Displays | |
| Sound | 26 |
| Sound Logic - Digital Output | |
| Languages | 27 |
| Player Menus - Disc Menus - Audio - Subtitles | |
| Info Menus | 28 |
| Direct access - Repeat playback - Markers - Audio - Subtitles - Camera angles - Playback mode - IntroScan - Audio channel | |
| Reading MP3 files | 30 |
| What is MP3? - Playing an MP3 CD - Skipping songs | |
| Discs you can play | 31 |
| Troubleshooting | 32 |
| Technical data | 33 |

DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited."

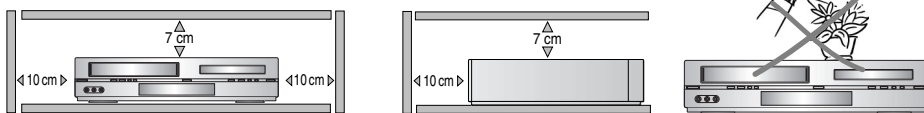
 **HELPLINE THOMSON**

You can contact THOMSON by dialling: 0845 601 3093
(For Great-Britain, all calls will be charged at local rate)
www.thomson-europe.com



Precautions and guarantee

SETTING UP – Ensure that the mains supply in your house complies with that indicated on the identification sticker located on the back of your appliance. Install your appliance horizontally, away from any source of heat (fireplace) or appliances creating strong magnetic or electric fields. The components of this appliance are sensitive to heat. The maximum ambient temperature should not exceed 35° Celsius. Leave sufficient space around the appliance to allow adequate ventilation: 10 cm on either side and at the rear, as well as 7 cm above the top are minimum requirements. The humidity of the room should not exceed 80%. If you have to use the appliance outdoors, do not expose it to water from rain or splashing. Moving it from a cold atmosphere into a warm one is likely to cause condensation on some components inside the appliance. Let the condensation disappear by itself before turning the appliance on again.



USE – If your appliance has been stored in a cool place for any length of time, during a journey for example, wait for about 2 hours before using it. The openings located on the top and bottom are for ventilation and must not be obstructed. During thunderstorms, we recommend that you isolate the appliance from the electrical supply and the aerial so that it is not damaged by electrical or electromagnetic surges. To completely isolate the equipment, remove the plug from the mains socket as some components remain connected to the electrical supply. If you notice any burning or smoke, disconnect the appliance immediately to avoid all risk of electrocution. Do not attempt to look inside the appliance, through the opening of the disk tray or any other opening. You may be electrocuted or be exposed to laser radiation. This unit is for domestic use only and must not be used for industrial purposes. Total or partial copying of recordings protected by copyright legislation, without the explicit permission of the holder of the rights, contravenes current legislation. Copying or downloading music files for sale or any other business purpose constitutes or could constitute a violation of copyright law.

CLEANING – Use a soft, dry and clean cloth. Regularly dust the vents at the back or sides. Using solvents, abrasive or alcohol based products risks damaging the set. If an object or liquid enters inside the appliance, unplug it immediately and have it checked by an authorised technician. To avoid deterioration of your appliance's heads, never use a cleaning tape.

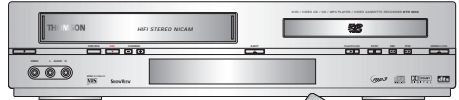
GUARANTEE – The type and production number of your appliance are printed on the guarantee certificate delivered with your appliance. Keep this certificate as well as the invoice. These documents are indispensable for claiming your guarantee rights. All repairs during the guarantee period must be carried out by an authorised technician representing our brand. If this condition is not met, your rights will no longer be valid. Never open the appliance yourself, since this may be dangerous for you or damage the equipment. Thomson multimedia is not liable if the appliance is used other than in accordance with this manual.

DISCLAIMER OF WARRANTY: TO THE EXTENT ALLOWED BY APPLICABLE LAW. REPRESENTATIONS AND WARRANTIES OF NON-INFRINGEMENT OF COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS RESULTING FROM THE USE OF THE PRODUCT UNDER CONDITIONS OTHER THAN AS HEREBY SPECIFIED ARE HEREBY EXCLUDED.

Box contents

Thank you for purchasing one of our videos. Unpack the set completely and tear off the protection films.

DVD-VCR _____



Remote control _____



Coaxial cable (75 Ω) _____



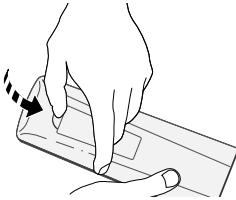
Euro Scart cable _____



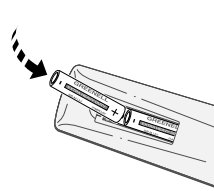
2 non-rechargeable batteries, type AA _____



1



2



3



Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. If you are not using the remote control for a long period of time, remove the batteries.



Please respect the environment and prevailing regulations. Before you dispose of batteries or accumulators, ask your dealer whether they are subject to special recycling and if they will accept them for disposal.

Set-up and user manual _____

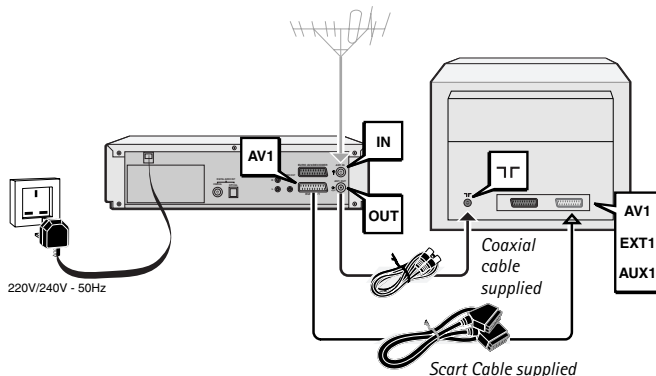


To respect the environment, we have printed this document on unbleached recycling paper.



Connections

Basic connection



- 1 Disconnect the aerial cable from your TV set and reconnect it to the **IN** socket of the DVD/VCR.
- 2 Using the coaxial cable (supplied), connect the **OUT** socket of the DVD/VCR to the aerial socket of the TV.
- 3 A SCART cable (supplied) connection between the appliance and your TV makes it easier to use and improves picture and sound quality. Connect the **AV1** (audio/video 1) socket of the DVD/VCR to the SCART socket of the TV (**AV1**, **EXT1**, **AUX1** depending on make).
- 4 Using the mains lead, connect the appliance to a mains socket.

Other connection possibilities

The connections described above are for standard quality sound and high quality picture reproduction. If your TV set does not have a SCART socket, connect the DVD/VCR to your TV in one of the following two ways.

Video connection

Connect the **VIDEO OUT** socket of the DVD/VCR to the **VIDEO IN** socket of the TV set using a video cable (not supplied).

Audio connection

To obtain 6-channel multichannel sound, connect the TV set to the **DIGITAL AUDIO OUT** coaxial socket of the DVD/VCR using a coaxial cable (not supplied), or to the **DIGITAL AUDIO OUT** optical socket of the DVD/VCR using an optical cable (not supplied).

Alternatively, you can connect the **AUDIO OUT L** and **R** sockets of the DVD/VCR to the **AUDIO IN L** and **R** sockets of the TV using an audio cable (not supplied).

Other devices

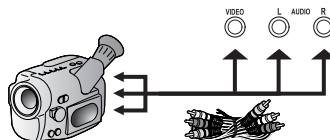


Decoder, camcorder, satellite receiver, another DVD player, another video recorder, etc. (AV2 socket)

Connect another device to the **AV2** socket of the DVD/VCR using the SCART cable (supplied). The pictures from the other device go through the **AV1** socket of the DVD/VCR and then on to the TV set.

Camcorder (AV3 socket)

Connect your camcorder to the **AUDIO L** (left), **AUDIO R** (right) and **VIDEO** sockets located at the front of the DVD/VCR. Select the **AV3** input on the DVD/VCR by pressing the **AV** key.



Audio/video amplifier

Video connection

Connect your audio/video amplifier to the **AV1** SCART socket of the DVD/VCR.

You can also connect it to the **VIDEO OUT** socket of the DVD/VCR with a video cable (not supplied).

! You will get the best picture quality with the SCART socket.

Audio connection

For 6-channel multichannel sound, connect the amplifier to the **DIGITAL AUDIO OUT** coaxial socket of the DVD/VCR using a coaxial cable (not supplied), or to the **DIGITAL AUDIO OUT** optical socket of the DVD/VCR using an optical cable (not supplied).

You can also connect your audio/video amplifier to the **AUDIO OUT L** and **R** sockets of the DVD/VCR using an audio cable (not supplied).

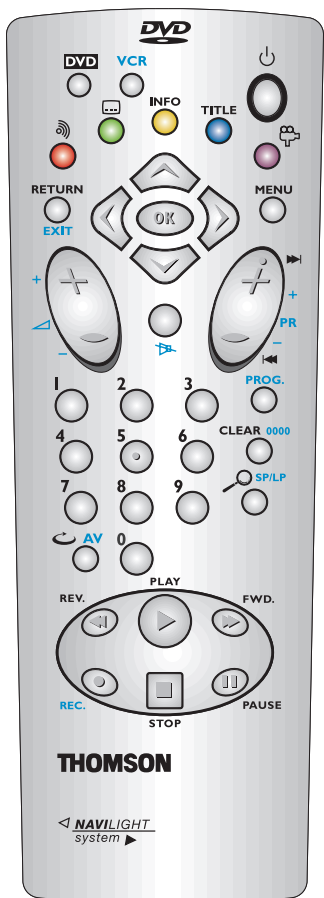
! You will get the best sound quality with a connection via the DIGITAL AUDIO OUT socket.

Stereo HiFi system

Connect your HiFi system to the **DIGITAL AUDIO OUT** socket of the DVD/VCR, or to the **DIGITAL AUDIO OUT** optical socket of the DVD/VCR, or to the **AUDIO OUT L** and **R** sockets of the DVD/VCR.

Remote control

General functions



Switch the appliance on or off.



Switch the appliance on and change to DVD mode.



Switch the appliance on and change to VCR mode.



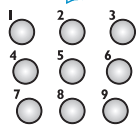
Navigate through the menus.



Increase the volume.



Mute and restore the sound.



Number entry.



Confirm a selection in a menu.



Start playing a disc or a tape.



Stop play, accelerated search, slow motion or recording.



Start fast reverse, reverse accelerated play or reverse slow motion (see pages 14 and 22).



Start fast forward, forward accelerated play or forward slow motion (see pages 14 and 22).



Freeze frame or frame advance (see pages 14 and 22).

Functions in DVD mode

Return to the previous menu on an interactive disc or hide the **info** menu.

Access the **audio** function of the **info** menu (see page 29).

Access the **subtitle** function of the **info** menu (see page 29).

Access the **info** menu (see page 28).

Access the contents menu of the disc.

Access the **camera angle** function (see page 29).

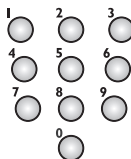
Access the disc menu during play (if there is one) or resume play.

Directly access the next (pr+) or previous (pr-) chapter (DVD) or track (CD).

Return directly to the main menu or hide the **info** menu.

Access the **Zoom** function (see page 22).

Move backward 10 seconds during disc playback.



Functions in VCR mode

Exit a menu.

Access the **STATUS** menu (see page 15).

Access the **OVERVIEW** main menu.

Change channel on the video recorder

Drop down the **VIDEO Plus+** menu.

Set the counter to zero, cancel a programme or return to the standard set-up.

Double the recording time of a cassette with the LP function.

Select the devices connected to the Audio/Video sockets (AV1, AV2, AV3, DVD).

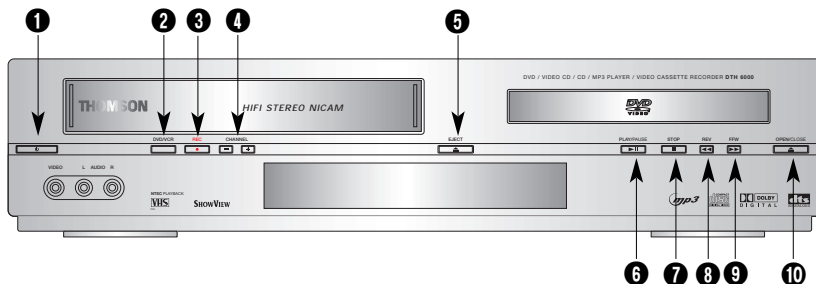
Start recording.

Select a channel.
For 2-digit channels, first press **0/--** (0, 1, 2 for Pr12).



Front panel controls

The appliance has some of the remote control functions on its front panel.



| Ref. on the diagram | Function | Remote control key |
|---------------------|---|--------------------|
| 1 | Switch the appliance on and off. | |
| 2 | Switch the appliance on, and change from DVD mode to VCR mode and vice versa. | |
| 3 | Start recording in VCR mode. | |
| 4 | Start a fast forward or reverse search for a chapter, track or index in DVD mode; change channel in VCR mode. | |
| 5 | Eject the cassette from the video recorder. | |
| 6 | Start playing a disc (DVD mode) or a tape (VCR mode) or go into pause. | |
| 7 | Stop playback of a disc (DVD mode) or a tape (VCR mode). | |
| 8 | Fast reverse. | |
| 9 | Fast forward. | |
| 10 | Open and close the disc tray of the DVD player. | |

Front panel display



VCR

Appears when the appliance is in VCR mode.



Appears when a tape is inserted in the video recorder.



Indicates that a recording is programmed or in progress.

HI-FI

Appears when the sound of a recorded cassette or one being recorded is high fidelity.

SLP

Indicates the tape recording speed (SP, LP or SLP).



Appears when the appliance is locked.

T

Indicates the title or track being played.

C

Indicates the chapter being played.

Dolby Digital

Appears when the sound is Dolby Digital.

dts

Appears when the sound is in DTS.

MP3

Appears when an MP3 disc is loaded.

SVC DVD

Indicates the type of disc loaded: DVD, CD (Audio CD), VCD (Video CD).



Indicates the repeat playback of a chapter or a track.



Indicates the repeat playback of the entire disc.



Indicates the repeat playback of a sequence (see page 28).

DVD

Appears when the appliance is in DVD mode.




Appears when a disc is loaded. The speed and direction show the play mode of the disc.

Initial Installation


Modulator

*If you haven't used a SCART cable (supplied) to connect your TV to the AV1 socket of the DVD/VCR, then proceed with the settings below before you go to channel set-up.
If you have used a SCART cable, go directly to the Automatic channel search section.*

- 1** Switch the DVD-VCR ON by pressing the  key on its front panel.
- 2** Press the **VCR** key on the remote control.
- 3** Hold down the **MENU** key on the remote control until **SY4** comes up on the video recorder display.
- 4** Validate your choice using the **OK** key.
 - ⇒ Please wait: the video recorder is searching for a channel within the range 21 to 69, available for transmitting pictures to the television via the coaxial cable. After a while, the video recorder display indicates the channel that will be used for this purpose. Note down the number here .
- 5** Switch ON your television set.
 - ! Take the user manual of your television and carry out the steps below.
- 6** Select an available channel number (a channel which has no picture).
- 7** Follow the instructions of your television user manual to find the video channel of the video recorder (the one you noted down above).
 - ⇒ Once the television has found the video channel of the video recorder, the following message will be displayed on the screen (VCR, ◀ CH 52 ▶).
 - ! If the picture is poor (snowy, torn), change the communication channel of the video recorder with the ◀ / ▶ keys.
- 8** Store the channel and its number on the television set.
 - ! From now on, to watch the video recorder pictures or menus, select the channel assigned to the video recorder on your TV set, i.e. the channel number chosen in step 6.
- 9** Continue with Automatic channel search.

Automatic channel search

The appliance has not been programmed to receive the channels in your area. Follow the automatic set-up procedure below to set up the channels.

- 1** Switch the DVD-VCR ON by pressing the  key on its front panel.
- 2** Press the **OK** key.
 - ! This video recorder comes with the NexTView Link feature. This function simplifies the channel set-up procedure, as the channels already set up on a TV set fitted with the NexTView Link or similar feature (Easy Link, Smart Link, Megalogic, etc.) can be downloaded to the video recorder. The channels downloaded this way to the video recorder keep the same properties as on your TV set (same number, same name, etc.).

Set-up

- ⇒ If your TV set is fitted with the NexTV Link function or similar, the video recorder automatically initiates channel download once you have selected the country. You can view channel download on the video recorder display (Pr1, Pr2, Pr3...). On completion of download, the video recorder switches over to standby. Channel set-up is achieved.
- ⇒ When your television set is not fitted with the NexTV Link or any similar feature, a message tells you that your video recorder is searching and storing the channels you can receive in your region. Keep patient until a message informs you that your channels are stored.



Clock setting

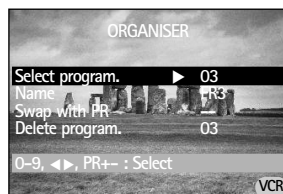
- 3a** If date and time are correct, press **EXIT** to leave the menu.
- 3b** If the displayed time is incorrect or was not transmitted, set the clock with the number keys **0** to **9**: enter time and date in the following order: hour, minute, day, month, year.
- 4** Store with **OK**.
- 5** Quit with **EXIT**.



Sorting the channels

The automatic channel set-up assigns the numbers to the channels in a predefined order. These numbers may therefore not match the actual channel numbers. Should this be the case, change these numbers by carrying out the instructions below. For easy channel identification, we suggest that you have a TV magazine at hand.

- 1** Use the **MENU** key to call up the **OVERVIEW** menu.
- 2** The **Installation** line is already selected, press **OK**.
- 3** Use the **▼** key to select the **Organiser** line and confirm with **OK**.
- 4a** If the proposed channel number matches the displayed picture, press **▶** to pass on to the next channel.
- 4b** If the proposed channel number does not correspond to the picture that you see, select the **Swap with PR** line using the **▼** key.
- 5** Using the number keys, enter the correct channel number or select it using the **◀** or **▶** key.
- 6** Validate your choice using the **OK** key.
- 7** If the channel name is incomplete or does not correspond to the channel's actual name, select the **Name** line, and choose an available name using the **◀** or **▶** key, or use the **1** and **2** number keys and then **◀** or **▶** to store a new one.
- 8** To delete a channel, select the **Delete program.** line and press **OK** twice.
- 9** When all channels are organised, press **EXIT** to leave the menus.

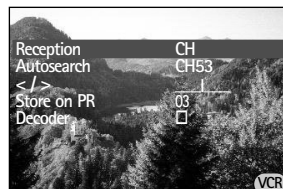


New or encoded channel

To complete the set-up of your video recorder when the automatic channel set-up has not stored all of the channels or when you wish to store a new channel.

- 1 Press the **VCR** key on your remote control.
- 2 Using the **MENU** key call up the **OVERVIEW** menu.
- 3 The **Installation** line is already selected, press **OK**.
- 4 Using the **▼** key, select the **Manual set up** line and confirm with **OK**.
- 5 Select the **Reception** line with **▼** and choose **CH** (for the channels received via your roof aerial) or **CC** (for the cable network channels) using **◀** or **▶**.
- 6 Press **▼** to select the **Autosearch** line.
- 7 Press **◀** or **▶** several times to search for the channel of a programme (you may also directly enter a number with **0** to **9** keys).

⇒ When a channel is found, the pictures come up on the screen.
- 8 When the picture is poor, try the Fine tuning (**</>**) using **▼**, and then **◀** or **▶**.
- 9 If the channel is encoded (and you have a decoder connected to socket AV2), set the cursor on **Decoder** using the **▼** key, and check the box using the **OK** key.
- 10 Position the cursor on **Store on PR** and assign a channel number using the number keys **0** to **9** (example: 0, 1 for Pr1).
- 11 Press **OK** to store this number.
- 12 If you wish to continue with TV channel set-up, repeat the steps 7 to 11. Otherwise press **EXIT**.



Menus

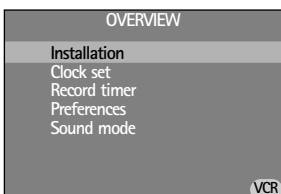
Press the **VCR** key when you want to access the unit's video recorder functions, and the **DVD** key when you want to access its DVD player functions.

You will see that the **VCR** symbol is displayed in the bottom right-hand corner of the video recorder's menus so that you always know where you are.

! The terms VCR and DVD are used in the section headings as an indication of the chapters dealing with the specific functions of this appliance.



VCR menu



Drop down the **OVERVIEW** main menu by pressing the **MENU** key.

Select a line in the menu using the **▼** and **▲** keys.

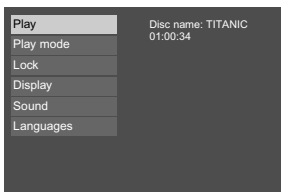
Confirm a selection using the **OK** key.

Choose an option using the **◀** and **▶** keys.

Exit the menu using the **EXIT** key.

DVD Menu


*If no disc is loaded, the main menu is displayed automatically. If a disc is being played, press the **STOP** key to access it.*



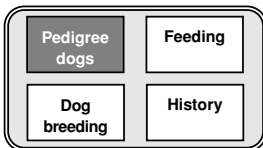
Select a line or an option using the **▼** and **▲** keys.

Confirm a selection using the **OK** key.

Exit the menu by pressing the **RETURN** key.

The symbol  indicates that the function selected or the key used is not available at this stage.

Disc content menus



This menu is available only if the disc contains a number of titles.

To display this menu, press the **PLAY** key to start playback, and then press the **TITLE** key. Press **PLAY** again to make it disappear.

PlayBack Control (PBC) menus (video CD)

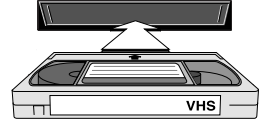
Some video CDs with PBC (PlayBack Control) offer scenes and information which can be selected via a menu.

This menu appears when you load the disc or press the **PLAY** or **MENU** key. To select an item in the menu, enter its number using the numeric keys on the remote control, and then press **OK** to access it.

Playing a tape

Inserting a tape

Check that the window on one side of the tape is facing upwards. The label should be facing you with the arrow next to the window pointing towards the appliance. Insert the tape.



Playing a tape

Load a tape and press the **PLAY** key.

Continuous play

You can permanently play a tape. When the end of the tape is reached, it is automatically rewound until the beginning and play is resumed.

Press **PLAY** for 6 seconds.

Accelerated play

Press **REV.** or **FWD** repeatedly to change the speed and direction of accelerated play.

Still image - Pause

Press the **PAUSE** key repeatedly to wind forward image by image.

Variable slow motion

- 1 Press the **PAUSE** key.
- 2 Press the **REV.** or **FWD** key repeatedly to change the speed of slow motion.

Rewind or Fast forward

- 1 Press the **STOP** key.
- 2 Press the **REV.** or **FWD** key.

Stop / Ejecting the tape

- 1 Press the **STOP** key.
- 2 Press the **STOP/EJECT** key on the appliance front.

Recording



Getting prepared

- 1** Load a tape and position it to the desired section using the **REV., FWD, STOP, PLAY.**
- 2** You may call up the information on the television screen by pressing the **INFO** key.
- 3a** Choose a programme with the **PR+/-** key or **0** to **9** keys.
! For 2-digit channels, first press **0/--** (0, 1, 2 or PR 12).
- 3b** Or make use of **PR+/-** or **AV** to select the AV socket of the external set connected.
! If you want to record a DVD disc, select DVD.
NB! When you record a DVD onto a video cassette, do not display a DVD menu (such as the **info** menu for example) since this menu would automatically be recorded on the cartridge superimposed on the content of the DVD. Likewise, if you use the zoom function of the DVD drive during recording, the video recorder would record the images as they appear on the screen, that is to say magnified.
- 4** Select standard play (SP) or long play (LP) with the **SP/LP** key.
! LP doubles the length of your tape (240 minutes in SP become 480 minutes, i.e. 8 hours in LP).

Simple recording

Press the **REC** key.

⇒ The video recorder starts recording.

! Interrupt recording using the **PAUSE** key; resume recording using the **PLAY** key or end it using the **STOP** key.

Recording with automatic stop (instant record)

- 1** Press the **REC** key twice.
⇒ The video recorder starts recording for a 30-minute period.
! The programmed period appears on the VCR front display and can be seen on your TV screen.
- 2** Press the **REC** key again to increase the recording time by another 30-minute period: press once for 30 minutes, press twice for 60 minutes, and so on...
- 3** Press the **EXIT** key to clear the information screen.

Continuous recording

This function, used in combination with the LP feature, provides you with a recording of 8 hours when using an E240 tape.

Press **REC** and then **PLAY** for 5 seconds.

Programming a recording VCR

Your video recorder has eight programming memories. Thus, you will be able to programme eight recordings over a 1-year period.

Load a tape and position it to the desired section using the **REV.**, **FWD.**, **STOP** and **PLAY** keys.

Programming using a PlusCode[®] number

*Each televised broadcast has its own PlusCode number guide which can be found in your TV magazine. To programme the recording of a broadcast, all that is required is for you to enter this number in the **VIDEO Plus+** menu; it contains the date, start and end time and the number of the channel broadcasting the programme.*

- 1** Call up the **VIDEO Plus+** menu using the **PROG.** key.
- 2** Enter the PlusCode number of the programme using the number keys.
- 3** Confirm using **OK**.
 - ⇒ The **TIMER** menu comes up.
 - ⇒ You may complete your programming by choosing daily or weekly repetition, double length or VPS- or PDC-signal triggered recording.
 - ! *When programming for the first time, the cursor positions itself on Prog. number; confirm or enter the desired programme number.*
- 4** Press the **OK** key.
- 5** Leave the menu using the **EXIT** key.
- 6** Put the video recorder in standby mode using the **⏻** key.
 - ⇒ The symbol **↵** on the display of the VCR confirms that your programming was successful.

VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation.

The VIDEO Plus+ system is manufactured under licence from Gemstar Development Corporation.

Storage of the programme numbers with the VIDEO Plus+ feature

The video recorder automatically stores the correspondance between channel numbers and PlusCode numbers so that you do not have to re-enter for each programming the channel number corresponding to the PlusCode programming number.

This is to say that the first time you programme a recording on a channel using the VIDEO Plus+ feature, the video recorder will prompt you to confirm or enter the channel number. When programming your next VIDEO Plus+ recording, the video recorder will automatically identify the channel concerned.

VIDEO PLUS+ system and satellite demodulator

If you use the PlusCode numbers to record a programme broadcast by satellite, the VIDEO Plus+ programmer can ask you to confirm the channel number (Pr99 / AV1 / AV2).

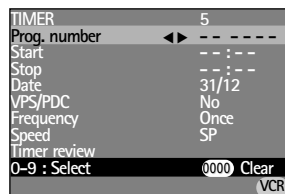
- **Connection by the aerial cable** - During the automatic channel set-up, the video recorder has assigned channel number 99 to the satellite receiver connected by the aerial socket. Select this number to view the pictures of the satellite channels. Should these pictures not come up on the screen, refer to the chapter "New or encoded channel" (page 12).
- **Connection by the AUDIO/VIDEO 1 or 2 socket** - If your satellite receiver is connected to the video recorder by the audio video socket, do not choose a number, but select the AV1 or AV2 socket.



Without the PlusCode programming numbers

If you don't know the PlusCode programming number of the programme you wish to record, use the **TIMER** menu.

- 1 Display the **OVERVIEW** menu using the **MENU** key.
- 2 Select the **Record timer** line using the **▼** key.
- 3 Confirm with **OK**.
⇒ The **TIMER** menu comes up.
- 4 Use the number keys to enter the channel number, the **PR+/-** key to select the channel or the **AV** key to select the corresponding AV socket if you want to record a satellite and/or encoded programme.
- 5 Type in the following information by selecting the corresponding line using the **▼** key: start time of the programme, end time of the programme and the date, if the recording is not to take place on the same day.
⇒ You can also complete your programming by selecting the following options: recording triggered by VPS or PDC signals, frequency (Once, Mon-Fri, Weekly), speed (SP or LP).
! Long Play recording enables you to record up to twice the length of the tape.
- 6 Switch the video recorder on **STANDBY** using the **⏻** key.
⇒ The indication **⌵** appears on the display of your video recorder to tell you that your programming was successful.
! A great number of satellite receivers, including all digital models, need to be left on to properly perform timer-programmed recordings.



To check your programming

- 1 Press the **MENU** key to call up the **OVERVIEW** menu.
- 2 Select the **Record timer** line using the **▼** key and validate with **OK**.
- 3 Select the **Timer review** line and press **OK**.
- 4 The eight possible recordings are spread over 2 pages. To view page 2, select **Next page** using **▼** and then press **OK**.

Error messages likely to occur when programming

NO TIMER AVAILABLE

If all timers are already used, you need to clear one timer using the **0000** key before trying again to programme your recording.

TIMER OVERLAP

If you programme two or more recordings with overlapping time periods, the **TIMER REVIEW** menu comes up along with an error message and the overlapping programmed recordings are flashing.

Delete the programmed recordings using the **0000** key.

INCOMPLETE TIMER

Check that you have completed all the requirements for the recording (start and end times, etc.).

Deleting a programmed recording

- 1 Display the **OVERVIEW** menu using the **MENU** key, select the **Record timer** line with the ▼ key and confirm with **OK**.
- 2 Select the **Timer review** line and press **OK**.
- 3 Select the programming you wish to delete using the ▼ and ▲ keys. Press the **0000** key.
⇒ The programming is now deleted.
- 4 Leave the menu using the **EXIT** key.

Recording programmed on a connected set

The recording of a programme can be triggered by a satellite receiver or another device designed for this purpose connected to socket AV1 or AV2 with a SCART cable. This avoids having to programme both units.

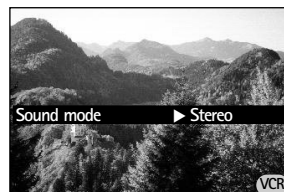
Programme the connected device and select AV1 or AV2 as appropriate in the video recorder's **TIMER** menu.


Sound control



Sound selection in playback mode

- 1 Load a tape and press **PLAY**.
- 2 Call the **OVERVIEW** menu using the **MENU** key and select the **Sound mode** line using the **▼** key.
- 3 Confirm with **OK**.
⇒ The **SOUND MODE** menu appears.
- 4 Using the **◀** or **▶** key, select the sound tracks.
 - **Stereo**: stereo sound of the Hi-Fi tracks,
 - **Mono**: mono sound of the linear track,
 - **Track 1**: sound of the left track
 - **Track 2**: sound of the right track,
 - **Mix**: sound of the mixed Hi-Fi and mono tracks.
 ⇒ If the tape was recorded in Dolby Surround or Dolby Pro Logic Surround, connection of a special audio/video amplifier will allow you to reproduce these sound effects.



“DOLBY”, “Prologic” and the double-D symbol  are trademarks of DOLBY Laboratories Licensing Corporation.

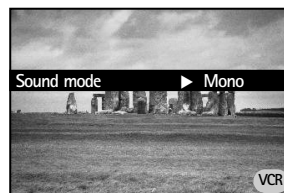
Setting the type of sound to be recorded

The broadcast sound types are different from channel to channel. Your video recorder uses 3 tracks to record the sound:

- two HiFi tracks for stereo or bilingual sound (track 1 and 2),
- one normal track for mono sound or track 1 for a bilingual telecast.

Depending on the actual sound type of the TV channel (stereo, NICAM or mono), the video recorder will distribute the sound on these different tracks.

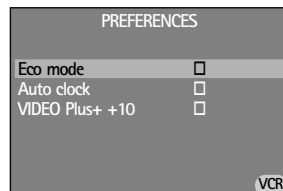
- 1 Load a tape and press **REC**.
- 2 Display the **OVERVIEW** menu using the **MENU** key, then select the **Sound mode** line with **▼**.
- 3 Confirm with **OK**.
⇒ The **SOUND MODE** menu comes up.
- 4 Select the **Stereo, Mono, Track 1** or **Track 2**.



P

references

- 1 Display the **OVERVIEW** menu using the **MENU** key, then select the **Preferences** line using the **▼** key. Confirm using **OK**.
- 2 Select a line using **▼**.
- 3 Use the **◀** or **▶** key to choose one of the available options or the **OK** key to activate () or deactivate a function.



Eco mode

The Eco feature decreases power consumption when the appliance is in standby mode (time is no longer displayed).

Auto clock

*Should the daily broadcast automatic clock-setting feature not match the official time in the area where you live, deactivate the function by pressing the **OK** key and set your video recorder clock manually (see page 11).*

VIDEO Plus+ + 10 (minutes)

Select this option to add 10 minutes to the end time of your VIDEO Plus+ recordings. Thus you will avoid defective recordings due to programme time shifting or programmes exceeding the scheduled time (within the 10-minute limit).

Other functions



Index search

Indices allow you to mark particular tape sections (beginning of films, sequences, etc.) to retrieve them quickly. At the beginning of every recording, the video recorder automatically marks an index on the tape.

To retrieve the previous or next index mark, press ◀ or ▶; this function requires the tape to be on STOP.

STATUS menu

Using the **INFO** key, you can display the information concerning video recorder operation (tape type, time remaining before end of tape, type of sound, image format, tape speed, channel, time...).

By default, the cassette type shown on the information screen is E180. Since the remaining time is deduced from the duration of the cassette, you must enter the cassette type for E240 and E300 cassettes. Press again the **INFO** key; the cassette type is highlighted. Use the ▼ and ▲ keys to display the appropriate cassette type, and finally press **OK** to confirm. If you insert a cassette with a duration shorter than 180 minutes, you need not enter the cassette type; the VCR will calculate automatically the duration of the cassette.



To reset the counter, call up the **STATUS** menu with the **INFO** key and press the **0000** key (re-setting the counter requires a tape to be loaded).

Tracking and stability in play mode

The pictures of some tapes (hired or other) may flicker, show interference lines on the bottom of the screen or be altered by other undesirable effects. With the Tracking or Stability adjustments, you can eliminate or reduce these image faults.

- 1 Load a tape.
- 2 Either start playing using the **PLAY** key or switch into slow motion using **PAUSE** and **FWD.** or into pause using **PAUSE**.
- 3 Press ▼: a menu comes up.
 - ⇒ In the play or slow motion mode, you may adjust tracking.
 - ⇒ In pause mode, you may adjust stability.
- 4 Adjust using the ▼ or ▲ key.
- 5 Restore the standard setting with the **0000** key.

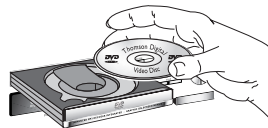
Playing NTSC tapes

NTSC is the colour television standard used in the United States, in Japan and other countries. Your video recorder can play VHS-NTSC tapes, but you must have a television set compliant with the PAL standard. Most of the PAL television sets provide proper reproduction of the pictures from NTSC tapes.

Play

Simple play

- 1 Press **OPEN/CLOSE** on the front of the appliance to open the disc tray.
- 2 Put the disc in with the printed side upwards (in the case of a single-sided disc).
- 3 Press **OPEN/CLOSE** to close the disc tray.
- 4 Press **PLAY** to start playback.
! Some discs provide a menu automatically. Choose a heading using ▼, ▲, ◀ and ▶, and confirm by pressing **OK**.
- 5 Press **STOP** to stop playback.
! The player stores the point where playback was interrupted. If you press **PLAY** again, playback resumes from this point. To stop playback completely or to start again from the beginning, press **STOP** twice.
If the player is left in **STOP** mode for more than two minutes without any user interaction, a screen saver is activated. Then, at the end of 30 minutes without any user interaction, the player switches off automatically.



Accelerated play

While the disc is playing, press the **REV.** or **FWD** key one or more times to vary the speed and direction of the accelerated play.

Still image – Frame advance (DVD and video CD)

Press **PAUSE** once for freeze frame.

! After five minutes in **PAUSE** with no user interaction, the player goes into screen saver mode.


Press **PAUSE** repeatedly to wind forward image by image.

Variable slow motion (DVD and video CD)

- 1 Press the **PAUSE** key once.
- 2 Press the **REV.** or **FWD** key a number of times to vary the speed and direction of the slow motion.

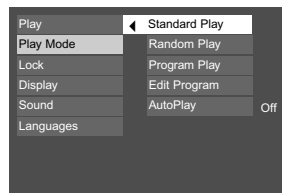
Zoom function (DVD and video CD)

On some DVDs and video CDs, you can zoom into the centre of the picture during playback and pause. For DVDs, the picture can be made 1.5, 2 or 4 times larger. For video CDs, the picture can only be made twice as large.

- 1 Press the  until you reach the zoom size you require.
- 2 Move from one area to another using the ▼, ▲, ◀ and ▶ keys.

Play modes

- 1 Load a disc and press **STOP**.
- 2 Select the **Play Mode** option and press **OK** to confirm.
! *The content of the **Play Mode** menu varies depending on the type of disc.*
- 3 Select a play mode with the **▲** and **▼** keys, and press **OK** to confirm.



Standard Play (all discs)

Use this option for sequential playback of the disc.

Random Play (all discs except Video CD)

*If you have loaded a DVD disc containing a number of titles or an audio CD, you can listen to or view all the titles on the disc in a random order (chosen by the player) by choosing the **Random Play** option.*

Program Play (all discs except Video CD)

*You can program playback using the **Edit Program** function below. If there is no programmed list, this mode cannot be selected.*

Edit Program (all discs except Video CD)

With this option, you choose and program the playback order. Lists vary depending on the type of disc.

- 1 Enter a title number, and then a chapter number (for a DVD) or a track number (for an audio CD) using the **▲** and **▼** keys or the numeric keys, or else a filename (for an MP3) using the **▲** and **▼** keys.
- 2 Select **Add** using **▶** and then press **OK**.
! *If you select a chapter or track already in the list, **Add** is replaced by **Insert**.*
- 3 Check that the title/chapter/file appears in the right-hand table. Repeat steps 1 and 2 as many times as necessary.
- 4 To delete a title from the list, select it with **▲** and **▼**, then select **Delete** and press **OK**.
- 5 Select **Play** to start playing the program.

AutoPlay (all discs)

This option automatically starts playback as soon as a disc is loaded.

IntroScan (audio CD and MP3 only)

This option plays the first ten seconds of each track.

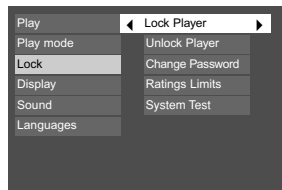
Press **OK** to start the introscan, press **STOP** to stop it and **PLAY** to continue playing the current track.

Lock

You can control access to the player and the type of discs your family can watch with the lock function. There are eight levels of parental control.

Select the **Lock** line in the main menu and press **OK**.

⇒ The corresponding menu is displayed.



Lock Player

- 1** To activate locking according to your pre-set rating limits, select the **Lock Player** line using the **▲** and **▼** keys and confirm with **OK**.
⇒ You are asked for a new password.
- 2** Enter four digits using the number keys and press **OK** to confirm.
⇒ You are asked for confirmation; repeat the operation.
! Choose a password that is easy to remember, or write it down.

Unlock Player

- 1** To unlock, select the **Lock** option in the main menu.
⇒ A screen asks you to enter the password.
- 2** Enter your password.
- 3** Select the **Unlock Player** option and press **OK**.

Change Password

- 1** To change the password, select this option and press **OK** to confirm.
- 2** Enter the four digits of your new password.

Ratings limits

The disc publisher is responsible for coding scenes according to the rating limits. In Europe, very few discs have coded scenes.

- 1** Select **Ratings limits** and press **OK** to confirm.
- 2** For the rating limit, select **Rated Titles**, and press **OK** to confirm. Select the level using the **▲** and **▼** keys, then press **OK** to confirm.
- 3** To set-up password only access to non-indexed titles, select **Unrated Titles** and press **OK** to confirm. Then select **Password Required** using the **▲** and **▼** keys, and press **OK** to confirm.
*! Your selected rating limits will only be applied if you then put the player into **Lock Player** mode.*

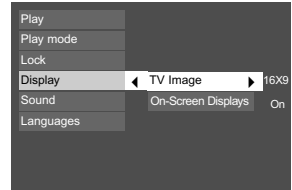
System Test

If requested by your supplier, you can select this option in order to obtain certain information required.

Display

You can choose picture format and screen displays by using the **Display** menu.

Select the **Display** option in the main menu using the ▼ and ▲ keys, and press **OK** to confirm.



TV Image

Depending on the format of the DVD disc, you can choose the picture format best suited to the format of your TV screen.


- 1 Select a format using the ▼ and ▲ keys:
 - 16x9 Widescreen** : reproduces 16x9 format films in full on a 16x9 screen,
 - 4x3 Letterbox** : gives best reproduction of pictures recorded in this format (i.e. with horizontal bands at the top and bottom of the screen) or in 16x9,
 - 4x3 Standard** : reproduces a 4x3 picture without distortion.
- 2 Press **OK** to confirm.

On-Screen Displays

You can use this menu to choose the information you want to see on the screen.

Select the **On-Screen Displays** option and press **OK** to confirm.

Three items are available:

- Info Displays** : to display time-related information during play.
- Angle indicator** : to display angle info when the disc offers several camera angles to choose from.
- Scene Again Text** : to display subtitles during replay from 10 seconds before ( button).

Sound

You can adapt your player to other equipment and access specific functions with the **Sound menu**.

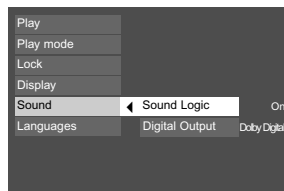
Select the **Sound** option in the main menu using the ▼ and ▲ keys and press **OK** to confirm.

Sound Logic

You can use this function to control the different sound levels via dynamic compression. It improves the quality of the sound track at a low volume and quietens the loudest sounds.

Select the **Sound Logic** option, and then set the function to **On**.

! This function is available only on DVD discs recorded in **Dolby Digital**.



Digital Output


Depending on the amplifier or TV your appliance is connected to, you must set up **DIGITAL AUDIO** output so that it transmits the appropriate digital signals.

- 1 Select the **Digital Output** option using ▼ and ▲ and confirm with **OK**.
- 2 Choose an option according to the format of the disc and the type of sound you want to obtain, and press **OK** to confirm.

| Disc Format | Digital output | | | |
|------------------------------|----------------|---------------|---------------------|--------------|
| | DTS | Dolby Digital | DTS & Dolby Digital | No selection |
| DTS ⁽¹⁾ | DTS | No sound | DTS | No sound |
| PCM ⁽²⁾ | PCM | PCM | PCM | PCM |
| Dolby Digital ⁽³⁾ | PCM | Dolby Digital | Dolby Digital | PCM |
| CD | PCM | PCM | PCM | PCM |
| MP3 | PCM | PCM | PCM | PCM |

⁽¹⁾  DTS is a digital sound compression technique developed by Digital Theater Sound Systems for digital multichannel audio signals. "DTS" and "DTS Digital Out" are trademarks registered by Digital Theater Systems Inc.

⁽²⁾ If the device connected to the **DIGITAL AUDIO OUT** socket does not support Dolby or DTS signals, your player will deliver PCM (Pulse Code Modulation) signals. In this case, neither Dolby Digital nor DTS must be selected.

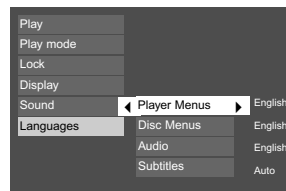
⁽³⁾  Dolby Digital is a sound compression technique elaborated by Dolby Laboratories for digital audio multichannel signals. The Dolby Digital system enables any audio channel configuration, from a stereo sound (2 channels) up to the digital "surround" sound 5.1.

Languages

With this menu, you can set the language for player menus, dialogue, subtitles and the disc menus.

If you chose "English" during initial set-up, the main menu is displayed in English, any menus generated by the disc are in English, as is the language of the dialogues (if this language is available on the disc).

- 1 Select the **Languages** option in the main menu using the ▼ and ▲ keys and press **OK** to confirm.
- 2 Select one of the options using the ▼ and ▲ keys, and press **OK** to confirm.




Player Menus

To change the language of the player menus, choose the language using the ▼ and ▲ keys and press **OK** to confirm.


Disc Menus

To change the language of the disc menus, choose the language using the ▼ and ▲ keys and press **OK** to confirm.

Audio

- 1 To change the dialogue language, choose the language using the ▼ and ▲ keys and press **OK** to confirm.
! The **Original** option refers to the language programmed as the user language on the disc.
If the language you choose is not available, the priority language is selected instead.
- 2 To change the language during play, display the **audio** icon by pressing the  key on the remote control (see page 29).


Subtitles

- 1 To change the subtitle language, choose the language using the ▼ and ▲ keys and press **OK** to confirm.
! If the language chosen is available, it is automatically selected when you display the subtitles (see page 29). If not, the "subtitles" language indicated on the disc is selected instead.
If you select the **Auto** option, the subtitle language will be the same for the dialogue. If your dialogue language choice is not available but the subtitles are available in the language, these subtitles will be automatically shown on screen.
- 2 To change the language of the subtitles during playback, display the **subtitle** icon by pressing the  key on the remote control (see page 29).

Info Menu

DVD

You can visualise information about the disc during playback using the info menu. It will also allow you to access certain functions.

To display the menu, press **PLAY** to start playback then press  on the remote control.
! The info menu varies depending on the type of disc.

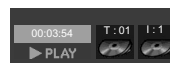
Direct access



DVD discs



Audio CD and MP3 discs



Video CD discs

To directly access a title or a chapter (DVD), a track (audio CD) or an index (video CD), select one of these icons with the ◀ and ▶ keys, and then choose a number using the ▼ and ▲ keys or enter a number directly with the numeric keys.

To directly access a location on the disc which does not correspond to the start of a title, chapter, track or index, select the time indication icon with the ◀ and ▶ keys, then enter a time with the numeric keys (format hh:mm:ss), and then press **OK** to confirm.



Repeat playback (all discs)


You can repeat playback of a disc, title, chapter, track, program and, except for CDs, an A-B sequence of your choice by using the Repeat Playback function.
This function is only available with discs which display elapsed time.

- 1 Select the **repeat mode** icon with the ◀ and ▶ keys, and then choose an option using the ▼ and ▲ keys.
! To repeat a sequence between two points A and B, choose the **A-B repeat mode** option, and then follow the instructions for entering the two points.
If, during a fast forward or reverse, the point B is reached, the player continues playback at normal speed from the point A. If, during a fast search, the point A is reached, the player starts playback from the point A at normal speed.
- 2 To stop the repeat playback, you have a choice between:
 - selecting the **repeat mode** icon and choosing the **Off** option,
 - pressing the **STOP** key twice.



Markers (DVD and audio CD)

The player can store up to six disc locations as long as the disc remains in the player and the unit remains switched on. This function is only available with discs whose elapsed time appears in the info menu.


- 1 Select the **bookmark** icon with the ◀ and ▶ keys, and press **OK** to confirm.
⇒ Another menu is displayed describing the six markers.
- 2 To create a marker, select a position shown as "unmarked" using the ▼, ▲, ◀ and ▶ keys, and then press **OK**.
- 3 To start playback from a marker, select the  button, then press **OK** to confirm.

- 4 To delete a bookmark, select the  button, and then press **OK** to confirm.



Audio (DVD)


Some discs have several audio tracks used for different languages.

To change the language during play, select the **audio** icon with the ◀ and ▶ keys, or press the  key on the remote control, and then choose a language with the ▼ and ▲ keys.



Subtitles (DVD)


You can display or remove the subtitles, or change their language during playback of a disc (see page 27).

To display or hide the subtitles, select the **subtitle** icon with the ◀ and ▶ keys, or press the  key on the remote control, and then choose a language with the ▼ and ▲ keys.



Camera angles (DVD)

Some discs offer different camera angles for specific scenes.

To change the camera angle, select the **camera angle** icon with the ◀ and ▶ keys, or press the  key on the remote control, and then choose the angle with the ▼ and ▲ keys.



Playback mode (audio CD and MP3)

Select the **play mode** icon using the ◀ and ▶ keys, and then choose a mode (**standard**, **random**, **program**) with the ▼ and ▲ keys.

! *The **Program play** mode only appears if a play list has been programmed with the **Edit program** function (see page 23).*




IntroScan (audio CD and MP3)

To play the first ten seconds of each track, select the **introscan** icon using the ◀ and ▶ keys and press **OK** to confirm.



Audio channel (video CD)

Select the **audio channel** icon with the ◀ and ▶ keys or press the  key on the remote control, and then choose an option with the ▼ and ▲ keys.



Reading MP3 files

What is MP3?

*MP3 is an audio file format which compresses recorded music. It was developed in collaboration with **THOMSON**. The main advantage of the MP3 format is that it means CD-quality music tracks can be stored on a personal computer in user-friendly compressed files. This compression means that you need only 4 MB of memory space on a hard disc for recording a 4-minute music track, compared with the 40 MB necessary with conventional file formats, with no appreciable reduction in listening quality!*

Playing an MP3 CD

When you play an MP3 disc, the MP3 menu is displayed instead of the DVD player menu. The DVD player menu is not available when playing MP3 discs. The MP3 contents are divided into album(s) and songs. A disc may contain several albums and each album may contain several songs (just like the titles and chapters of a DVD disc).

Use the ◀, ▶, ▼ and ▲ keys on the remote control to select albums and songs.

Skipping songs

Press the |◀◀ or ▶▶| key to return to the previous song or to go to the next song. Press as many times as necessary to reach the song you want to listen to.

Discs you can play

DVD-Video

Digital video discs - 12 cm and 8 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.

Region code number

Your DVD player responds to the region management information recorded on a DVD disc. The region code for your player is region 2. So, if you are going to buy a DVD disc, pay attention to the logo: it has to be the right one. ALL means all regions. Other regions - 1: USA, Canada - 2: Europe, the Middle East, Rep. of South Africa, Japan - 3: Southeast Asia, Taiwan - 4: Central America, South America, Australia, Mexico, New Zealand - 5: Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan 6: China.



DVD-R, DVD-RW

Most DVD-R (one recording only), DVD-RW and DVD+RW discs (rewritable). Depending on the DVD writer and discs used.



Video CD (VCD) - Video Compact Disc

CD on which you can record up to 74 min. of VHS-quality video associated with still images, audio tracks and interactive menus.



CD-R, CD-RW

Most CD-R (one recording only) and CD-RW discs (rewritable). Depending on the CD writer and discs used.



Audio CDs

Audio CDs and most recordable audio CDs (8 and 12 cm).



About CD-R/MP3 discs

CD-R discs - This unit can play most CD-R discs. However, depending on the condition of the CD-recorder, computer and the disc used, you may find that not all discs will play successfully. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before starting to play. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again. If after several trials, the disc cannot be recognized, make sure you have followed the recommendations below or try another type of disc. There are two main types of recordable CDs:

- CD-R audio discs (for music only), which should be used when recording with HiFi CD-audio recorder.

- CD-R Data discs are designed for recording via a CD writer on a personal computer. Use these discs preferably.



- Whatever the real recording capacity of the CD-R, do not use more than 630 Mb of recording space on the disc.
- Use preferably 74-min (650 Mb) CD-Rs instead of 80-min (700 Mb) CD-Rs.
- Use preferably CD-Rs instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- Use reliable, good-quality CD writing software.
- Close all other applications on the computer to ensure reliable CD-R disc recording.
- Make sure that the recording is "long enough" to be played. If the recording is too short, disc identification time may be increased.

CD-R MP3 discs - As for CD-R MP 3 discs, please follow all the recommendations for CD-R above, plus the comments below:

- Your MP3 files should be ISO 9660 or JOLIET format. ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.
- MP3 filenames should not exceed 12 characters, and should end with the ".mp3" extension. General name format: Title.mp3. When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including (. / . \ , = , +).
- Use a decompression transfer rate of at least 128 kb/sec (kilobytes/second) when recording MP3 files. Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 kb/sec and up to 160 kb/sec. Choosing higher rates, like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played properly.
- Do not try recording copyright protected MP3 files. "Securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You must not copy such files.
- Important: The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (that is degraded sound quality and even, in some cases, inability of the player to read the file).

N.B.: The information contained in this document was updated in February 2002.

Troubleshooting

| PROBLEM | SOLUTION | SEE PAGE ... |
|---|--|--------------------|
| The appliance does not switch on. | <ol style="list-style-type: none"> 1. Make sure it is plugged into a mains socket. 2. Press the  key on the front of the appliance. | 4 |
| Remote control The remote control does not work or works only intermittently. | <ol style="list-style-type: none"> 1. Aim the remote control at the appliance. The infrared beam must not be blocked or interrupted. 2. Check that batteries are fitted, or change them. | 3 |
| Picture There is no picture. | <ol style="list-style-type: none"> 1. Check you have switched on the TV set. 2. Check the connections. 3. Select the AV input or the channel assigned to the video recorder on the TV. | 4 & 5 10 |
| The picture is of poor quality (with snow or lines). | <ol style="list-style-type: none"> 1. Check the connections. 2. Adjust the tracking in playback or stability in pause. | 4 & 5 21 |
| Sound There is no sound or the sound is of poor quality. Stereo sound is not reproduced. | <p>Check the connections.</p> <ol style="list-style-type: none"> 1. The sound from TV channels or a tape transmitted by coaxial cable is monophonic. To reproduce stereo sound on the TV, connect it to the appliance using a SCART cable. 2. Adjust the sound type. | 4 & 5 19 |
| Recording The  symbol flashes on the display and/or the DVD/VCR ejects the cassette when I want to record. The DVD/VCR does not accept the PlusCode number I enter. | <ol style="list-style-type: none"> 1. Make sure you have inserted a cassette correctly in the slot. 2. Check that the cassette's protective tab is not broken. If it is, cover the hole with adhesive tape. <p>The number must be incorrect. Check you did not make an error when entering the number. If the number still does not work, programme your recording manually using the TIMER menu.</p> | 14 33 17 |
| The DVD/VCR displays the TIMER menu when I try to enter a PlusCode number. | You have already programmed eight recordings. Delete a programme before trying to create another. | 18 |
| The DVD/VCR asks me to enter the number of the channel corresponding to a PlusCode number. | This is a normal procedure when programming the first VIDEO Plus+ recording on a channel. | 16 |
| Subtitles The subtitles do not appear. | <ol style="list-style-type: none"> 1. Check that the DVD disc provides subtitles. 2. Look up how to display subtitles. | 29 |
| Disc menu language The disc menu language is not the correct one. | <ol style="list-style-type: none"> 1. The disc menu language has not been set up. 2. The language of your choice is not available on the disc. | 27 |
| Lock You have forgotten your password. | Open the player's disc tray, and then press the STOP key on the remote control and the STOP key on the front panel simultaneously for three seconds. | |

T echnical data

In our efforts to improve the quality of our products, we reserve the right to change their features. The information contained in these instructions are therefore liable to change and are not contractual.

Mains supply: AC-230 V - 50 Hz - Consumed power: 27 W when ON - 5.5 W in eco mode - Functioning conditions: +5°C to +35°C - Surrounding humidity: 80 % maximum



VCR

HiFi pass-band: 20 to 20 000 Hz - Dynamic: 80 dB - Tuner: PLL, VPS/PDC Type - Reception bands: I-III-IV Hertzian (aerial) - Inter-band / Hyper-band (cable network) - Frequency ranges: 45 to 855,25 MHz - Colour standard: PAL, Playing of an NTSC tape on TV PAL 60Hz - Reception standard: I - Number of storable channels: 99 - Modulator: UHF - Channel 21 to 69 - Pre-set at the factory on channel 52, Standards I - Tapes: VHS format - Rewinding time = 130s with E 180

DVD

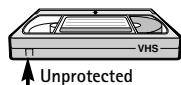
Audio signal to noise ratio: 110dB (A wtd) - Wow and flutter: below measurable limits - Total harmonic distortion: less than 0.004% - Pickup: Wave length: 655 / 780 nm, Laser power CLASSE 2 - 2 Laser diodes

Remote control

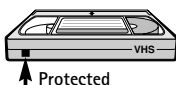
Infrared 33 kHz - Batteries 2 x 1,5 V (AA)

Concerning video tapes

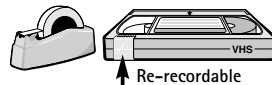
Tapes are sensitive to environmental storage conditions. Keep them away from dust, humidity or excessive heat. • Do not place them next to appliances producing strong magnetic or electrical fields (electro-magnet, motor, etc.). • Tapes may vary in quality, the difference in quality not only concerns the tape itself but also the different mechanical elements of the video cassette. A poor quality tape can damage your video recorder. You should therefore only use quality brand tapes. • To avoid erasing one of your tapes by accident, we recommend you protect them by breaking the security tab. To reuse a protected tape, just stick a piece of adhesive tape on this place.



↑ Unprotected



↑ Protected



↑ Re-recordable

Handling and care for discs

• Handle your discs with care. Hold the disc with your fingers at the edges or through the hole. • Insert the disc with the label facing up (for a single-sided disc). • Place the disc properly into the tray in the allotted holder. • Use a soft cloth to clean discs if necessary, always wiping from the centre to the edge. • Always put discs back in their cases after use and store in a vertical position. • Do not close the tray with two discs in it or with a disc not sitting correctly in the holder. • Do not play cracked, chipped or warped discs nor try to repair them with adhesive tape or glue. • Do not write on a disc. • Do not move the player when a disc is being played. • Do not scratch discs or store them in places exposed to direct sunlight, high humidity or high temperatures. • Do not try to play a Photo CD with this player. • Do not use aerosol cleaners, benzene, anti-static liquids or any other solvent for cleaning discs. When cleaning, wipe gently with a soft damp (water only) cloth from the centre to the edge, avoiding circular motions, which could cause scratches and interference during playback.